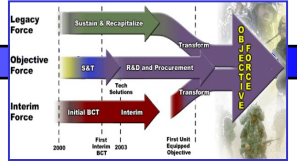


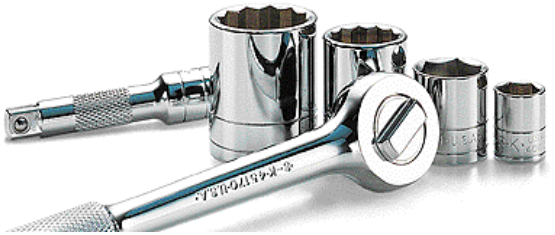
Interactive Electronic Technical Manuals (IETMS)

IADS Users Conference, 7 May 2003

HQDA Proponent

Maintenance Policy Division, DALO-SMM Mission

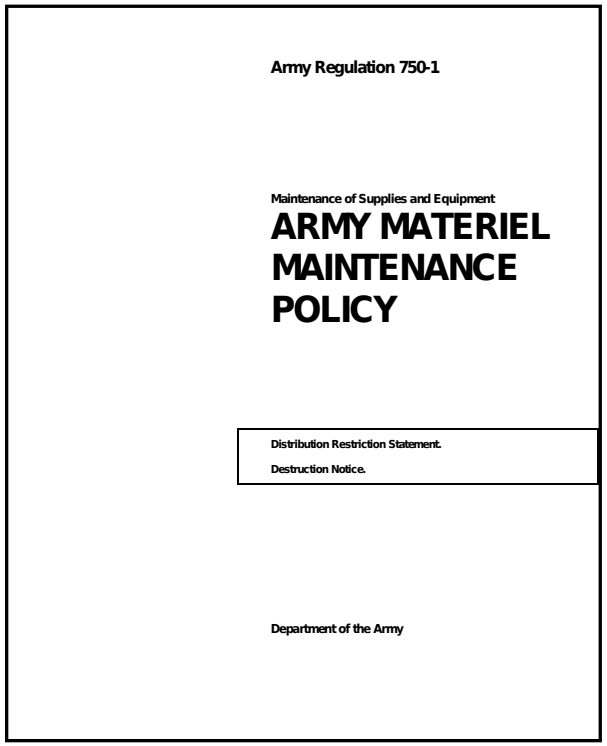
- Establish Army maintenance policy (less medical peculiar items and non-tactical management information equipment).
- Ensure HQDA interests are adequately considered and that proper resources are applied to sustain operations thereof.
- Ensure Army compliance with HQDA and higher level policy on maintenance of equipment, operation of maintenance facilities, and related issues.
- Provide command/staff career program manager for maintenance (Program 17).



Policy Guidance

AR 750-1; Army Materiel Maintenance Policy

- Technical Manuals are evolving to an electronic format known as electronic technical manuals (ETMs) and interactive electonic technical manuals (IETMs).
- ETMs and IETMs are intended for all units and organizations to include depots.
- Army will resource the MSD for ETMs and IETMs.


Army Regulation 750-1

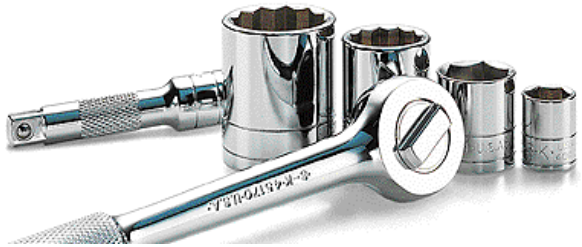
Maintenance of Supplies and Equipment

ARMY MATERIEL MAINTENANCE POLICY

Distribution Restriction Statement.

Destruction Notice.

Department of the Army



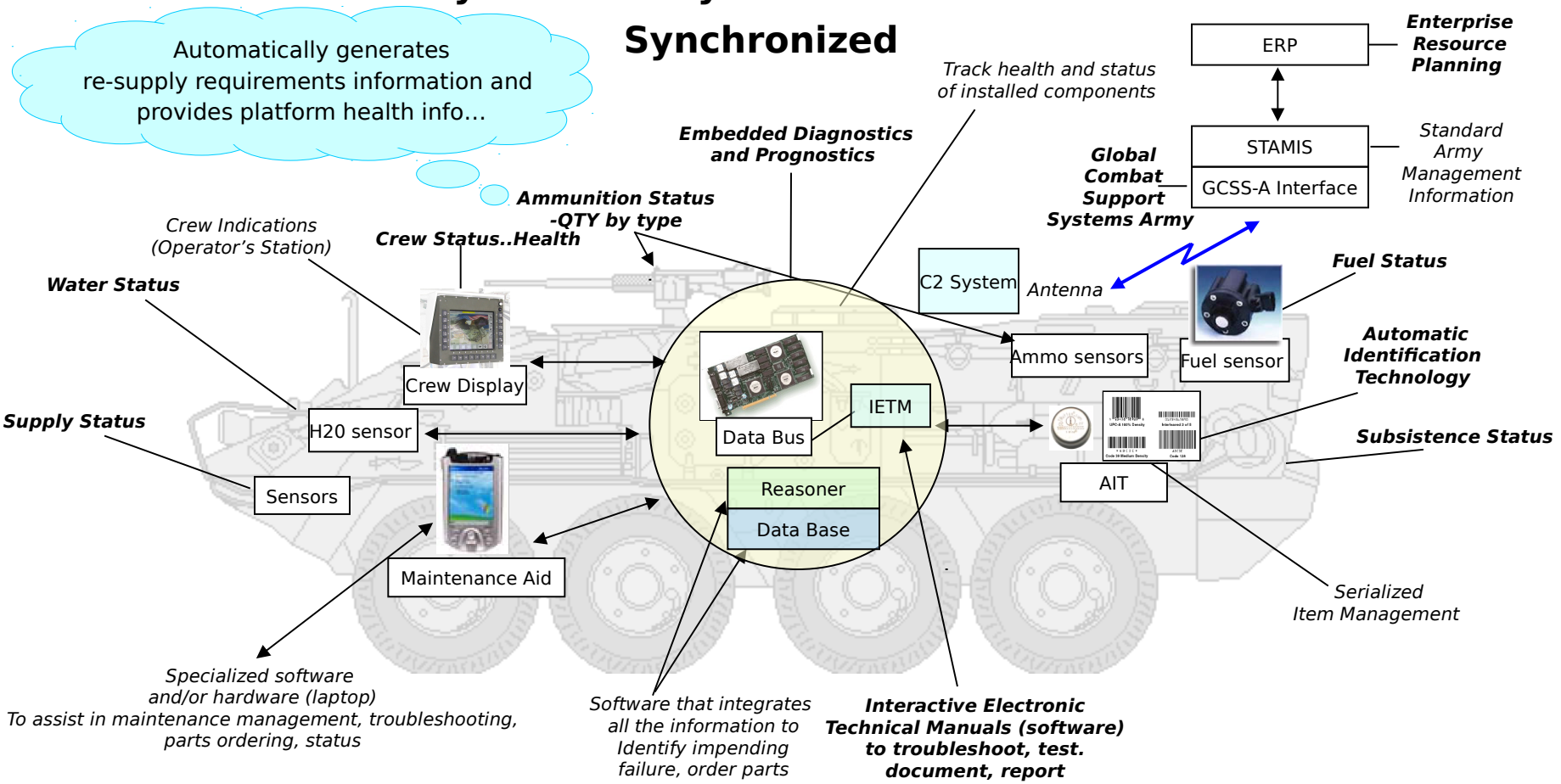
Concept

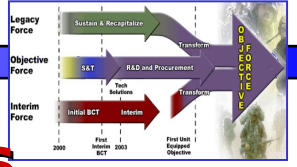
Integrated Weapon System Status and Health Management

Sensor-Based **Self Monitoring** **Self Reporting**

Automatically feeds Army Shared Data Environment

Synchronized





Our Current Path - Army IETMs

Army selected critical platforms for the next level - IETMs

AMCOM
Interactive Authoring and Display System
(IADS)

- CH-47
- OH-58
- MLRS
- AVENGER
- PATRIOT
- JAVELIN
- ABRAMS M1A1

TACOM
Electronic Maintenance System-2
(EMS-2)

- STRYKER
- PLS
- HEMTT
- MTVR
- FMTVA1
- HMMWV

CECOM
Internet Explorer
(IE+)

- SINGARS
- AN/TRC-48C
- AN/TRC-178B
- AN/AR-164
- AN/ARC-220

PEO PM/CONTRACTOR
Other IETMs
Sikorski-Ebook/Dynaweb/Dynatext
Boeing – Quill
ESSI – WebTM

- UH-60
- AH-64
- 3KW GEN

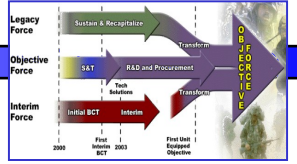
MIL STDs
2361B
40051B
MIL Spec
3008

The Army has invested
Over $100M since 1995!

- XML Compliant
- Data can be re-purposed
- Embedded - new platforms
- Used with MSD/SPORT/GCSS-A - legacy platforms

Sustaining The Transforming Army

IETM -End-to-End Picture 2006



IETM

Software + Converted Data

EMS-2
IADS
IE
Other

+

EMBEDDED

MSD

SPORT

Combat Maintainer

CAISI

GCSS-A will eventually incorporate the Future ETM-I as the interface standard

Logistics Enterprise

ETM-I

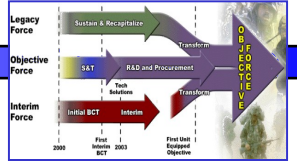
GCSS-A

WLMP

SAP ERP

GCSS-A software will reside on Embedded Platforms and SPORT/MSD (PM TMDE/GCSS-A_

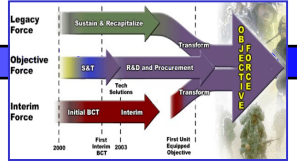
Everyone has Access to the Information!



Why Convert?

- SAP enterprise resource planning (ERP) requires that all data input be XML compliant.
- Business Process for maintenance (troubleshooting and repair) will start with soldier driven ETM/IETM data feeds (parts, manpower, diagnostic information, etc).
- To take advantage of and ETM/IETM based business process, we must develop a strategy to ensure that our Army IETMs provide XML output and convert selected pdf based ETMs (OF, Stryker Bde, Counter Attack Corps) to an XML IETM based product.
- Congress has set aside $38M this year ($8M for Army) using Native American Indian Tribes to convert technical publications for the Department of Defense. Similar funding is expected in follow-on years.
- Ultimate goal is to make near real-time changes to technical publication information. (streamlined process at significantly reduced costs.)

ETM/IETM Funding



IETM AQUISITION (New System)

PEO/PM

Creates IETM- New System
- **FCS, Comanche**

IETM DEVELOPMENT (legacy)

MDEP VALT

1. IETM Viewer Dev
2. Data Conversion..legacy
- **PLS, HMMWV..**

SUSTAINMENT OF ETM/IETM

MDEP SOTH

1. Sustains Technical data
2. Sustains MIL STD 2361 and 40051

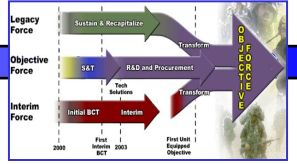
PM TMDE/PM GCSS-A

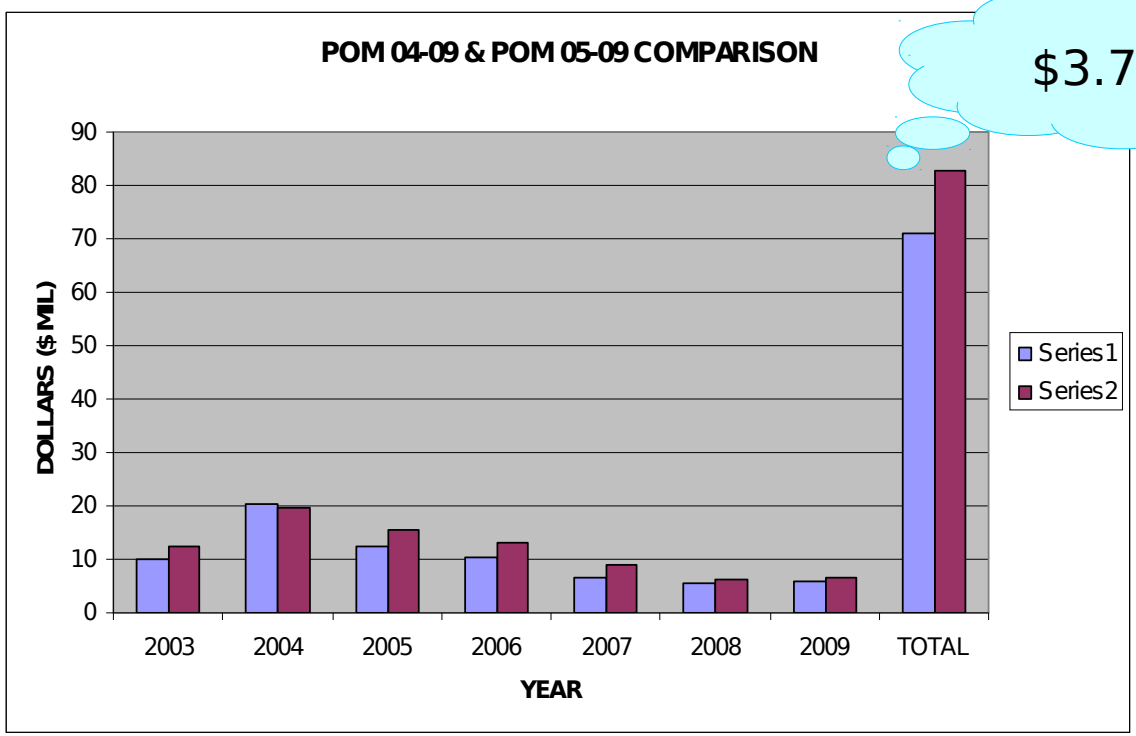
MDEP FL8R

Procurement of the SPORT/MSD

OMA DOLLARS

Resources - Army IETMs



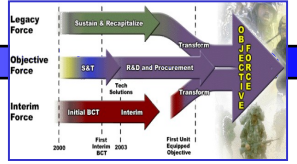


$3.76M in FY 03

FY 02 was first year HQDA centrally funded program

$83M in FY 05-09 POM

Questions?



- Call us when you have issues, concerns, recommendations etc.
  - (703) 614-1145, DSN 224-1145
  - (703) 614-3875, DSN 224-3875
- Send us your recommendations for changes
  - http://lia.army.mil Logistics Regulations and Pamphlets (DPMS)
  - FAX (703) 692-5271, DSN 222-5271.